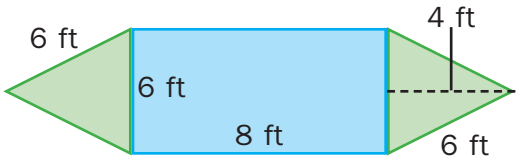
BRIDGES DAY 1

MATH

1. A mold for bridge is **3 feet deep**, **17 feet long**, and **10 feet wide**. What is the area of the mold? Picture the mold like a rectangular prism.

2. TxDOT is going to combine several molds to make one large bridge. Calculate the area of this mold:



3. If it costs **$506,733.73** to build **10 bridges** and each bridge costs the same, how much does it cost to build one bridge?

4. **One bag** of concrete weighs **23 pounds** and can cover approximately **5 feet** of space. Calculate how many bags of concrete you would need to cover the area of the mold from Question 2. Then, calculate the total weight of concrete you would need.

5. TxDOT would like to do some landscaping around the entire perimeter of a new bridge. Calculate the total perimeter.